Index of Claims

| Application/Control I | 10. |
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10/716,803

Examiner

Nashaat T. Nashed, Ph. D.

Applicant(s)/Patent under Reexamination

BLANC ET AL.

Art Unit

1656

| 1 | Rejected |
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| = | Allowed  |

| - | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| Z | Non-Elected  |
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| Cla      | Claim    |                |              | Date     |  |                |  |          |          |          |   |          | im       |          |              |               |              | Da |
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| <u></u>  | 6        |                |              | _        | ļ.,  | <u> </u>       | $oxed{oxed}$                                     | L        | <u> </u> | ╙        | 1 |          | 56       | L        | L            | _             | _            | L  |
|          | 7        | _              | _            | _        | 1_   | _              | <u> </u>   | ļ_       | 辶        | <u> </u> | 1 |          | 57       | _        | _            | _             | <u> </u>     | Ļ  |
| <u> </u> | 8        | _              | <u> </u>     | _        | 1_   |                | L  | _        | _        | ┡        | Į | <u></u>  | 58       |          | _            | <u> </u>      | <u> </u>     | ╙  |
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|          | 18       |                |              | H        | t  | 1-             |  | 一        |          | 1        | 1 |          | 68       | 一        | $\vdash$     | ┢             | ⊢            | ╁  |
|          | 19       | _              |              | $\vdash$ | T  | H              |  | T        | H        | $\vdash$ | ĺ |          | 69       | -        |              | ┢             | ┢            | H  |
|          | 20       |                |              | $\vdash$ | ╁  | T              | H  | H        | ┢        |          | 1 |          | 70       | $\vdash$ | $\vdash$     | $\vdash$      | $\vdash$     | t  |
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| <b></b>  | 22       |                |              |          | T  | 1              | Г  |          | $\vdash$ | T        | 1 |          | 72       | Н        |              | Н             | Н            | H  |
| 1        | 23       | =              |              | T        | T  |                | T  | Г        | Г        |          |   |          | 73       |          |              |               | $\vdash$     | T  |
| 2        | 24       | =              |              | П        | Г  |                | Г  |          |          |          |   |          | 74       |          | Г            |               |              | Г  |
| 3        | 25       | =              |              |          | П  | Π              |  |          |          |          | 1 |          | 75       |          | Г            |               | Г            | Г  |
| 4        | 26       | =              |              |          |  |                |  |          |          |          | 1 |          | 76       |          |              |               | П            | Г  |
| 5        | 27       | =              |              |          |  |                |  |          |          |          | ] |          | 77       |          |              |               |              |    |
| 6        | 28       | =              |              |          |  |                |  |          |          | L        | [ |          | 78       |          |              |               |              |    |
| 7        | 29       | Ξ              | L            | _        | _  | 匚              |  | <u> </u> | L        | <u> </u> | Į |          | 79       |          | L_           | L             | L            | L  |
| 8        | 30       | =              |              | <u>L</u> | <u> </u>   | _              | _  | L        | L        | L        |   |          | 80       | L        |              |               | <u> </u>     | L  |
|          | 31       | Щ              |              | _        | <u> </u>   | _              | _  | _        | <u> </u> | ļ        |   | L        | 81       |          | ļ            | <u> </u>      | <u> </u>     | L  |
|          | 32       |                |              | <u> </u> | ┡  | <u> </u>       | <u> </u>   | <u> </u> | L        | _        |   |          | 82       | ļ.,      |              | L             | _            | L  |
|          | 33       | Н              |              | -        | ┝  | ├-             | _  | <u> </u> | -        | _        |   | <u></u>  | 83       | _        | <u> </u>     | _             | ▙            | L  |
|          | 34<br>35 |                |              | ⊢        | ┝  | ₩              | -  |          | _        | -        |   |          | 84       | H        | _            | _             | <u> </u>     | ├- |
|          | 36       | $\vdash$       |              | $\vdash$ | ╁  | ┢              | -  |          |          |          |   |          | 85       | $\vdash$ | -            | -             |              | ├- |
| -        | 37       | $\vdash\vdash$ |              | -        | ╁  | -              | $\vdash$   | ├        | ⊢        |          | ł |          | 86<br>87 | -        | $\vdash$     | <u> </u>      | $\vdash$     | ⊢  |
|          | 38       | $\vdash$       | _            | ⊢        | $\vdash$   | <del>  -</del> | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$ | 1 |          | 88       | $\vdash$ | $\vdash$     | $\vdash$      |              | ┢  |
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| $\vdash$ | 40       |                | _            | $\vdash$ | $\vdash$   | -              | $\vdash$   | $\vdash$ | $\vdash$ | ┝        | 1 |          | 90       | $\vdash$ | -            | -             | <del> </del> | ┢  |
|          | 41       | Н              |              |          | 1  | 一              |  | $\vdash$ | _        | $\vdash$ |   |          | 91       | _        | $\vdash$     | $\vdash$      | $\vdash$     | H  |
|          | 42       | Н              |              | $\vdash$ | $\vdash$   | $\vdash$       |  | <u> </u> |          |          |   |          | 92       |          | _            | _             | <del> </del> | H  |
|          | 43       |                |              | Г        | T  | $\vdash$       | <del>                                     </del> | T        |          | _        | 1 |          | 93       |          | -            | _             | $\vdash$     | t  |
|          | 44       | П              |              | $\vdash$ | T  | 1              |  | Г        |          |          |   |          | 94       |          |              | $\overline{}$ | Г            | Т  |
|          | 45       |                |              |          | $\vdash$   |                |  |          |          |          |   |          | 95       |          |              |               |              | Τ  |
|          | 46       |                |              |          | $\Gamma$   |                |  |          |          |          |   |          | 96       |          |              |               |              | Г  |
|          | 47       |                |              |          |  |                |  |          |          |          |   |          | 97       |          |              |               |              | Г  |
|          | 48       |                |              |          |  |                |  |          |          |          |   |          | 98       |          |              |               |              |    |
|          | 49       | ·              |              | L        |  |                |  |          |          |          |   |          | 99       |          |              |               |              | Г  |
| 1 1      | 50       |                |              | L_       | L  |                |  | <u> </u> |          |          |   |          | 100      |          |              |               |              | Ĺ  |

| Cla       | Claim    |          |              | Date         |              |              |          |          |          |          |  |  |  |
|-----------|----------|----------|--------------|--------------|--------------|--------------|----------|----------|----------|----------|--|--|--|
|           | l        | $\Box$   |              | Г            | Π            | Γ            | Г        | Γ        |          | Γ        |  |  |  |
| a         | <u>i</u> |          | 1            |              |              |              |          |          |          |          |  |  |  |
| Final     | Original |          |              |              |              |              |          |          |          |          |  |  |  |
| -         | Ō        |          | ]            |              |              |              |          |          |          |          |  |  |  |
| -         | 51       | $\vdash$ | ┝            | ├-           | ╁            | -            | $\vdash$ | -        | -        | ├        |  |  |  |
|           | 52       | $\vdash$ | $\vdash$     | $\vdash$     | -            | $\vdash$     | ├        | $\vdash$ | $\vdash$ | -        |  |  |  |
| -         | 52<br>53 | ┢        | ⊢            | ├            | ├            | -            | ⊢        | ⊢        | -        | -        |  |  |  |
|           | 53       | H        | ⊢            | <u> </u>     | -            | -            | ├—       | $\vdash$ | -        | -        |  |  |  |
|           | 54       | ⊢        | <del> </del> | ├_           | <u> </u>     | <u> </u>     | <u> </u> | <u> </u> | <u> </u> | <u> </u> |  |  |  |
|           | 55       |          | <u> </u>     | <u> </u>     | ┞            | _            | <u> </u> | <u> </u> | _        | <u> </u> |  |  |  |
|           | 56       | L        | _            | <u> </u>     | <u> </u>     | <u> </u>     | _        | _        | L        |          |  |  |  |
|           | 57       | _        | _            | _            | <u> </u>     |              |          |          | 匚        |          |  |  |  |
|           | 58       | L.       | L            |              | L            | L            |          | 乚        | L        |          |  |  |  |
|           | 59       |          |              | 1            |              |              |          |          |          |          |  |  |  |
|           | 60       |          |              |              |              |              |          |          |          |          |  |  |  |
|           | 61<br>62 |          |              | П            |              |              |          |          |          |          |  |  |  |
|           | 62       |          |              | П            |              |              |          |          |          |          |  |  |  |
|           | 63       |          |              |              |              |              |          | $\vdash$ | $\vdash$ |          |  |  |  |
|           | 64       |          |              | T            |              |              |          |          |          |          |  |  |  |
|           | 64<br>65 | -        | _            | ┢            | _            | _            | $\vdash$ |          | $\vdash$ | $\vdash$ |  |  |  |
|           | 66       | -        | -            | _            | _            | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ |  |  |  |
|           | 67       | ┢        | -            | $\vdash$     | $\vdash$     | ┝            | ┢        | -        |          | ┝        |  |  |  |
|           | 68       | ┝        | ┝            | ┢            | ⊢            | $\vdash$     | $\vdash$ | $\vdash$ | -        | -        |  |  |  |
| $\vdash$  | 69       |          |              | ┢            | <u> </u>     | $\vdash$     | $\vdash$ | $\vdash$ | ⊢        | H        |  |  |  |
|           | 70       | ⊢        | $\vdash$     | ⊢            | -            | -            | -        | -        | ├        | -        |  |  |  |
| $\vdash$  | 70       | ⊢        |              | -            | <del> </del> | <del> </del> |          | <u> </u> | <u> </u> | _        |  |  |  |
| <u> </u>  | 71       | ┡        | <u> </u>     | <u> </u>     | L            | <u> </u>     | <u> </u> |          | <u> </u> |          |  |  |  |
|           | 72<br>73 | <u> </u> | <u> </u>     | <u> </u>     | _            | _            | _        | _        | L        | ļ        |  |  |  |
| <u> </u>  | 73       | <u> </u> | 匚            | 匚            | _            | _            | L_       | _        | <u> </u> | <u> </u> |  |  |  |
|           | 74       | 匚        | 匚            | L            | L            | L            | _        |          |          |          |  |  |  |
|           | 75<br>76 | <u> </u> | L            | $oxed{oxed}$ |              |              | L        |          |          |          |  |  |  |
| L         | 76       |          | L            | <u> </u>     |              | _            |          |          |          |          |  |  |  |
|           | 77       |          | Ш            |              |              |              |          |          |          |          |  |  |  |
|           | 78       |          |              |              |              |              |          |          |          |          |  |  |  |
|           | 79       |          |              |              |              |              |          | Г        |          |          |  |  |  |
|           | 80       |          | Г            |              | Ī            |              | Г        |          |          |          |  |  |  |
|           | 81       |          |              |              |              |              |          |          |          |          |  |  |  |
|           | 82       |          |              | Г            |              |              |          |          |          |          |  |  |  |
|           | 83       |          |              | Г            |              | $\vdash$     |          |          |          |          |  |  |  |
|           | 84       | _        |              |              | Г            |              |          |          | $\vdash$ |          |  |  |  |
|           | 85       |          |              | $\vdash$     |              | _            | $\vdash$ |          |          |          |  |  |  |
|           | 86       |          | -            | ┢            |              |              | Η.       |          |          | _        |  |  |  |
| -         | 87       | -        | $\vdash$     | ┝            | $\vdash$     | $\vdash$     | $\vdash$ |          |          | -        |  |  |  |
| -         | 88       | $\vdash$ | $\vdash$     | ┢            | -            | -            |          | $\vdash$ |          | _        |  |  |  |
| -         | 89       | -        | -            | ┢            |              | _            | Н        | _        | _        | <u> </u> |  |  |  |
| $\vdash$  | 90       | $\vdash$ | -            | -            | _            |              | -        | _        | _        | -        |  |  |  |
| $\vdash$  |          | _        | _            | -            | Н            | $\vdash$     | $\vdash$ |          | -        | -        |  |  |  |
| -         | 91       |          | -            | -            | _            | _            | _        |          |          |          |  |  |  |
|           | 92       | _        | <u> </u>     | _            | <u> </u>     | _            |          | _        |          |          |  |  |  |
| -         | 93       | _        | _            | <u> </u>     | _            | _            | _        |          |          |          |  |  |  |
| $\vdash$  | 94       | L-!      | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u>     | L        | _        | Ш        |          |  |  |  |
|           | 95       | L        | _            | _            |              | L.,          | _        |          |          |          |  |  |  |
| $\square$ | 96       |          |              | _            | $\Box$       | <u>_</u>     |          |          |          |          |  |  |  |
| $\square$ | 97       |          | L            | <u>_</u>     |              |              |          |          |          |          |  |  |  |
|           | 98       |          |              |              |              |              |          |          |          |          |  |  |  |
|           | 99       |          |              |              |              |              |          |          |          |          |  |  |  |
|           | 100      |          |              |              |              |              |          |          |          |          |  |  |  |

| Cla      | aim                                    |          |          | _        | [            | Date     | е          |               |              |          |
|----------|--|----------|----------|----------|--------------|----------|------------|---------------|--------------|----------|
| 1        |  |          |          |          |              |          |            |               |              |          |
| Final    | Original                               |          |          |          |              |          |            |               |              |          |
| -        | 101                                    | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$   |               | -            | Н        |
|          | 101<br>102                             |          |          | _        | Π            | Г        | Г          | Γ             |              | П        |
|          | 103                                    |          |          |          |              |          |            |               |              |          |
| <u> </u> | 104<br>105                             |          |          |          |              | L        |            |               | <u> </u>     | Ш        |
| <u> </u> | 105                                    |          | <u> </u> | _        | <u>L</u>     | <u>_</u> | L          |               | L            | Щ        |
| ļ        | 106                                    | _        | <u> </u> | _        | <u> </u>     | <u> </u> | _          | <u> </u>      | L            | Ш        |
| <u> </u> | 107<br>108                             |          | <u> </u> | _        | <u> </u>     | <u> </u> | <u> </u>   |               | <u> </u>     | Н        |
|          | 108                                    |          | -        | ⊢        | <del> </del> | -        |            | ⊢             | H            | Н        |
|          | 109                                    |          | -        | ⊢        | ├-           | ⊢        | <u> </u>   | -             | -            | Н        |
|          | 110<br>111<br>112                      |          |          | ⊢        | -            | $\vdash$ | $\vdash$   |               | ├            | Н        |
|          | 112                                    |          | ├        | ┢        | ┤            | ⊢        | ┝          | -             |              | Н        |
|          | 113                                    |          | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | H          | 1             | $\vdash$     | $\vdash$ |
|          | 114                                    | $\vdash$ | Т        |          | 1            | $\vdash$ | $\vdash$   | T             | Т            | М        |
|          | 115                                    |          |          | Г        |              | _        |            | $\vdash$      | Т            | П        |
|          | 115<br>116                             |          |          |          |              |          |            |               |              |          |
|          | 117                                    |          |          |          |              |          |            |               |              |          |
|          | 118<br>119                             |          |          | <u> </u> |              |          |            |               |              | Ш        |
|          | 119                                    |          |          | L        |              |          | _          | <u> </u>      |              | Ш        |
|          | 120                                    |          |          | <u> </u> | _            | _        |            | <u> </u>      | <u> </u>     |          |
|          | 121<br>122                             | _        |          | <u> </u> | _            |          | <u> </u>   | ╙             | <u> </u>     | Ш        |
|          | 122                                    |          | _        | -        | _            | _        | <u> </u>   | <u> </u>      | ┞            | Н        |
| -        | 123                                    |          | _        | ⊢        |              | <u> </u> | _          | ⊢             | ┝            | $\vdash$ |
| _        | 125                                    |          |          | -        | _            | -        | $\vdash$   | $\vdash$      | -            | Н        |
|          | 126                                    |          |          |          |              | $\vdash$ | $\vdash$   | $\vdash$      |              | Н        |
|          | 123<br>124<br>125<br>126<br>127<br>128 |          |          |          |              | $\vdash$ | $\vdash$   |               |              | $\vdash$ |
|          | 128                                    |          |          |          |              |          |            |               |              | П        |
|          | 129                                    |          |          |          |              |          |            |               |              |          |
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|          | 131                                    |          |          |          |              |          |            |               |              |          |
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|          | 137                                    |          | _        | $\vdash$ | -            | $\vdash$ | $\vdash$   | $\vdash$      | $\vdash$     | $\dashv$ |
|          | 137<br>138                             |          |          | $\vdash$ | Ι-           | -        | $\vdash$   | ┝             |              | Н        |
|          | 139                                    |          | -        | $\vdash$ |              | -        | -          |               |              | $\vdash$ |
| -        | 140                                    |          |          | $\vdash$ | Г            |          |            | H             |              | $\vdash$ |
|          | 141                                    |          |          |          |              |          |            |               |              | Н        |
|          | 142                                    |          |          |          |              |          |            |               |              |          |
|          | 143                                    |          |          |          |              |          |            |               |              |          |
|          | 144                                    |          |          |          |              |          |            |               |              |          |
|          | 145                                    |          | _        | _        |              | L.,      |            | L             |              | Ш        |
|          | 146                                    |          |          | _        |              |          |            | L             |              | Ш        |
|          | 147                                    |          |          | $\vdash$ | <u> </u>     |          |            | H             | Щ            | $\sqcup$ |
| -        | 148<br>149                             |          |          | <u> </u> | <u> </u>     | -        | <u> </u>   | $\vdash$      | $\vdash$     | Н        |
| -        | 150                                    |          |          | $\vdash$ | $\vdash$     | H        | -          | Н             | $\vdash$     | Н        |
|          | IOU                                    |          | L        |          | L            | لبا      |            |               |              |          |